Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/23/2018 09:58 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125996	0	1.64	125781	1.58
Blue	F	SSC	125000	123719	-2	3.21	123835	2.97
Blue	E	FITC	23615	22747	-4	2.68	1015	10.84
Blue	D	PE	26739	26314	-2	2.30	946	10.36
Blue	B	PerCP-Cy5-5	48339	47120	-3	3.65	1358	17.83
Blue	A	PE-Cy7	45021	44826	-1	5.46	695	36.85
Red	C	APC	53064	52558	-1	2.82	3005	9.71
Red	A	APC-Cy7	57175	56381	-2	2.76	1178	11.35
Violet	B	V450	14728	14104	-5	4.99	672	9.76
Violet	A	V500	58621	56655	-4	4.88	2506	7.17

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19466	2.46	611	-3	N/A	N/A	Pass
Blue	F	SSC	61128	1.54	556	10	N/A	N/A	Pass
Blue	E	FITC	113	40.59	547	-1	0.0185	144	Pass
Blue	D	PE	206	30.04	539	3	0.1402	213	Pass
Blue	B	PerCP-Cy5-5	210	47.52	637	2	0.0090	89	Pass
Blue	A	PE-Cy7	72	129.04	696	3	0.0111	20	Pass
Red	C	APC	347	28.95	601	4	0.0194	91	Pass
Red	A	APC-Cy7	130	41.41	583	3	0.0054	1796	Pass
Violet	B	V450	82	45.62	467	-3	0.0456	2378	Pass
Violet	A	V500	182	24.95	494	-3	0.0144	928	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.61	-31.01	0.90
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.35
Red	16.60	14.40 - 21.60	N/A	N/A	30.70	31.33	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10171

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments